

9900231

### <u> THER UNITHED STAYIES OF AMIERRIUS</u>

TO) ALL TO) WHOM THESE; PRESENTS; SHALL COME;

## Mestern Alant Breeders

1111 PCCCN5, THERE HAS BEEN PRESENTED TO THE

#### Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED, PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN DUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY [ECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT, COMMON

'Zeke'

In Testimony Mexicot, I have hereunto set my hand and caused the seal of the Hant Hariety Protection Office to be affixed at the City of Washington, D.C. this thirty-first day of March, in the year of our Lord two thousand.

and the second second second second

REPRODUCE LOCALLY. Include form number and date on all	reproductions.		FORM APPROVED - OMB NO. 0581-0055
U.S. DEPARTMENT OF ACRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTEC	CTION OFFICE	The following statements are many 1974 (5 U.S.C. 552a) and the Pa	ade in accordance with the Privacy Act of perwork Reduction Act (PRA) of 1995.
APPLICATION FOR PLANT VARIETY PROTECTION			to determine if a plant variety protection .C. 2421). Information is held confidential C. 2426).
NAME OF APPLICANT(S) (as it is to appear on the Certificate)	<del>,</del>	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
Western Plant Breeders, Inc.		BZ 987-331	Zeke
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Count	try)	5. TELEPHONE (include area code)	FOR OFFICIAL USE ONLY
8111 Timberline Drive Bozeman, MT 59718-8184		(406) 587-1218	PVPO NUMBER 9900231
BOZEMan, MI 39/10-0104		6. FAX (include area code)	F DATE
		(406) 586-8247	March 25, 1999
7. GENUS AND SPECIES NAME	8. FAMILY NAME	(Botanical)	FIUNG AND EXAMINATION FEE:
Triticum asetivum	Poac	eae	F S DATE
9. CROP KIND NAME (Common name)			2 25-99
Common wheat			E C CERTIFICATION FEE:
10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZA"	TION (corporation, po	artnership, association, etc.) (Common name)	E\$
AriCorporation  11. IF INCORPORATED, GIVE STATE OF INCORPORATION		12. DATE OF INCORPORATION	E DATE
Arizona		Aug. 24, 1990	D
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SER	VE IN THIS APPLICA		14. TELEPHONE (include area code)
Dr. Dale Clark			(406) -587-1218
Western Plant Breeders			
8111 Timberline Drive	•		16. FAX (include area code)
Bozeman, MT 59781-8184		•	(406) -586-8247
16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow in	nstructions on revers	o)	
a. 🔯 Exhibit A. Origin and Breeding History of the Variety			
b. X Exhibit B. Statement of Distinctness			
c.			
e. 🔀 Exhibit E. Statement of the Basis of the Applicant's Ownership			
f. X Voucher Sample (2,500 viable untreated seeds or, for tuber propagated	d varieties verificatio	n that tissue culture will be deposited and mainta	ined in an approved public repository)
g. 🔀 Filing and Examination Fee (\$2,450), made payable to "Treasurer of th	ne United States" (Me	ail to PVPOI	
17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY SEE SEED OF THIS VARIETY BE SOLD BY SEED OF THIS VARIETY BY SEED OF THIS VARIETY BE SOLD BY SEED OF THIS VARIETY B	_	LY, AS A CLASS OF CERTIFIED SEED? (See Sei no," go to item 201	ction 83(a) of the Plant Variety Protection Act)
18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED A	AS TO NUMBER OF	19. IF "YES" TO ITEM 18, WHICH CLASS	ES OF PRODUCTION BEYOND BREEDER SEED?
☐ YES Q NO		FOUNDATION REGISTS	ERED CERTIFIED
20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN REL	EASED, USED, OFFE	ERED FOR SALE, OR MARKETED IN THE U.S. O	R OTHER COUNTRIES?
USA March 1999		<u> </u>	
21. The applicant(s) declare that a viable sample of basic seed of the variety will be applicable, or for a tuber propagated variety a tissue culture will be deposited in			
The undersigned applicant(s) is(are) the owner(s) of this sexually reproduced or	*	•	
Section 42, and is entitled to protection under the provisions of Section 42 of the			
Applicant(s) is(are) informed that false representation herein can jeopardize prot			
SIGNATURE OF APPLICANT (Owner(s))	SI	GNATURE OF APPLICANT (Owner(s))	
Wale K. (Lach		SKSiggerera	<i>y</i>
NAME (Please print or type)	N/	AME (Please print or type)	
Dale R. Clark		Dan R. Biggersta	
CAPACITY OR TITLE DATE		APACITY OR TITLE	DATE
Barley and Wheat Breeder Mauch	23, 1999	General Manager	2/23/99
STD-470 (03-96) (Previous editions are to be destroyed)		(See reverse for instructions ar	d information collection burden statement)

#### ZEKE

"Z E K E" (Exp. # BZ 987-331)

#### Exhibit A. Origin and Breeding History of the Variety

"Zeke" (Exp. # BZ 987-331) originated by crossing (in March, 1983) Western Plant Breeders' male-sterile population designated "EHRSP" (Early Hard Red Spring Population) with the Minnesota variety Marshall and the Minnesota lines MN 7357, MN 73168 and MN 73167 (these were obtained from Dr. Robert Busch – USDA/ARS). The EHRSP was developed by crossing early, semidwarf, Yecora Rojo type wheat's (obtained from CIMMYT) onto WPB's Arizona male-sterile bread wheat populations. This basic male sterile population was originally obtained from Mr. Rex Thompson of the University of Arizona at the Mesa Experiment Station. Mr. Thompson constructed this spring MSFRSP (Wheat Germplasm CC A-1977) utilzing two male sterile lines from the variety 'Siete Cerros 66' and many public varieties and Breeding lines as males. The F1 was grown near Bozeman in the summer of 1983. Bulk F2 and F3 populations were grown near Bozeman in 1984 and 1985 respectively. Single F3 heads were selected for agronomic appearance in the fall of 1985 and planted as individual F4 rows in April, 1986. Agronomically desirable rows were harvested and the F5 seed was planted in 5'x7' plots in April 1987. Desirable F5 plots were harvested and tested for protein quantity and quality (SDS sedimentation test). One such plot was designated BZ 987-331. This has line been yield tested from 1988 through 1996 (F6 through F14) and also evaluated for disease resistance, plant height, lodging resistance, and various other agronomic characters (see Table 1.) and for end use quality (see Table 4.) as a hard red spring wheat.

Heads were selected from the F12 generation in 1994 and grown as head rows in 1995. Uniform head rows were harvested and bulked. This seed was planted in April, 1996 to produce Breeder's seed. The Breeder's seed was planted on approximately eight acres near Bozeman in May, 1997 to produce Foundation seed. Foundation seed was planted in the spring of 1998 for the production of Registered and Certified seed. Certified seed will first be available for sale to growers in the spring of 1999.

#### ZEKE

A variant that is similar to "Zeke" (BZ 987-331), but is 4 to 8 inches taller, occurs at a frequency of up to .08% (8 per 10,000 plants). Otherwise, Zeke is a stable and uniform variety in agronomic appearance and performance across several generations (F6 to F14) and growing conditions.

#### 16 b. Exhibit B. Statement of Distinctness

Zeke is most similar to the variety Amidon. However, it averages 3 days early in heading date (t = -17.02 with 20 d.f., p< .001), Table 2, and is approximately 6 inches shorter (t = -10.899 with 20 d.f., p< .001), Table 3.

The above comparisons along with the complete objective description (Exhibit C) show Zeke to be a novel variety of hard red spring wheat.

# ZEKE

Table 1. Agronomic data comparing Zeke to check varieties in the 1996 &1997 Montana State University Intrastate Hared Red Spring Wheat Trials.

Summary of 18 Locations (9 locations each year)

	1000	- <del>1</del>					1								
, 100	adırığı (Julian)	neading Date (Julian)		Fir. Ht. (inches	(S)		T.W.			Protein %		-	Yield		
98	97	avg	96	97	avg	8	97	avg	96	97	1	96	97	avq	•
180	178	179	59	28	53	99	9	09	14.3	14.0		09	62	61	
82	181	182	35	36	35	61	61	61	14.4	13.9		09	61	90	÷
83	<u>8</u>	182	35	34		61	61		14.9	14.6		56	09	28	
82	181	182	52	56		09	59	09	14.4	13.8		28	25	57	
181	179	180	28	29		61	61	61	14.6	14.3		56	57	56	
183	180	181	35	36		65	61	61	14.4	14.2		52	5 4	53	
184	182	183	53	30		09	59	29	13.5	13.3		56	56	26	
182	178	180	58	28		09	61	09	14.8	14.3		26	61	28	
183	182	183	30	30	30	09	90	09	14.9	14.6	14.8	54	57	56	
185	184	185	34	36		61	65	63	14.5	13.8		51	55	53	
184	182	183	တ္တ	33		09	09	09	14.6	1.4		28	25	61	
82	184	184	58	29		09	90	09	13.8	13.3		55	61	28	
82	183	184	36	38		29	09	29	14.7	13.6		48	53	50	
83	180	182	35	36		61	61	61	15.0	14.2		26	09	22	
80	177	·	29	28		09.	09	09	15.1	14.6		57	58	57	
80	178	179	50 70	56		09	09	09	15.0	14.3		22	22	26	

Table 2. Test of significance (Student's t on paired plots) comparing the heading dates of Zeke and Amidon in Montana State University Trials.

(all values are the mean heading date of two replicated plots at each location)

		Headir (Juli	ng Date an)		
<u>Year</u>	Location	<u>Zeke</u>	<u>Amidon</u>	difference	<u>diff</u> sq
1996	Bozeman Havre Sidney-dryland Sidney-irrigated Kalispell Moccasin Conrad	183 178 174 177 183 180 185	185 178 178 179 184 182 188	-2 0 -4 -2 -1 -2	4 0 16 4 1 4 9
1997	Bozeman Havre Sidney-dryland Sidney-irrigated Kalispell Moccasin Conrad	187 172 166 171 184 178	189 175 171 174 187 185	-2 -3 -5 -3 -3 -7 -4	4 9 25 9 9 49
1998	Bozeman Havre Sidney-dryland Sidney-irrigated Kalispell Moccasin Conrad mean	180 171 166 173 166 179 <u>174</u> 176.8	183 173 169 178 171 183 <u>179</u> 180.0	-3 -2 -3 -5 -5 -4 -5	9 4 9 25 25 16 25
			sum =	-68	272

$$sd2 = \frac{272 - (68 \times 68)/18}{21(20)} = \frac{272 - 256.8}{420}$$

$$= 0.0362$$

$$sd = 0.1902$$

$$t = \frac{-3.2381}{0.1902}$$

= -17.02 with 20 degrees of freedom

Table 3. Test of significance (Student's t on paired plots) comparing the plant heights of Zeke and Amidon in Montana State University Trials.

(all values are the mean heading date of two replicated plots at each location)

			t Height ches)			
<u>Year</u>	<u>Location</u>	<u>Zeke</u>	<u>Amidon</u>	difference	diff sq	
1996	Bozeman Havre	31 26	35 30	-4 -4	16 16	
	Sidney-dryland Sidney-irrigated	26 31	33 40	-7 -9	49 81	
	Kalispell	33	43	-9 -10	100	
	Moccasin	27	26	1	1	
	Conrad	29	37	-8	64	
1997	Bozeman	28	41	-13	169	
	Havre	24	31	7	49	
	Sidney-dryland	18 28	24 37	-6 -9	36 81	
	Sidney-irrigated Kalispell	20 31	37 37	-9 -6	36	
	Moccasin	33	40	-0 -7	49	•
	Conrad	30	39	-9	81	
1998	Bozeman	31	40	-9	81	
	Havre	26	33	-7	49	
	Sidney-dryland	34	38	-4	16	
	Sidney-irrigated	27	34	-7	49	
	Kalispell	35	40	-5	25	
	Moccasin	35	43	-8	64	
	Conrad	3 <u>5</u> 29.4	<u>40</u> 36.2	-5	25	
			sum =	-143	1137	•
			mean =	-6.810	54.143	
			sd2 =	1137-(143*1- 21(20)	<u>43)/21</u> <u>=</u>	<del>1137-973</del> 420
			=	0.3904		
			sd =	0.6248		
			't =	<u>-6.81</u> 0.6248		
			=	-10.899 w	rith 20 degr	ees of freedom

p<.001

#### U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE DIVISION BELTSVILLE, MARYLAND 20705

## OBJECTIVE DESCRIPTION OF VARIETY WHEAT (Triticum spp.)

NAME OF APPLICANT(S)	
Western Plant Breeders, Inc	FOR OFFICIAL USE ONLY
ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code)	PVPO NUMBER 9900 23 \
8111 Timberline Drive	VARIETY NAME
Bozeman, MT 59718-8184	Zeke
	TEMPORARY OR EXPERIMENTAL DESIGNATION
	BZ 987-331
PLEASE READ ALL INSTRUCTIONS CAREFULLY: Place the appropriate number that describes the varietal cher Place a zero in the first box (e.g. or or or or or or or less respectively. Date on a minimum of 100 plants. Comparative data should be determined from varieties entered in the same trial Royal standard may be used to determine plant colors; designate system used:  Please answer all questions for your variety; lack of response may delay progress of your apple.  KIND:	a for quantitative plant characters should be based I Horticultural Society or any recognized color
I=Common 2=Durum 3=Club 4=Other (SPECIFY).  2. VERNALIZATION:	
I=Spring 2=Winter 3=Other (SPECIFY)  3. COLEOPTILE ANTHOCYANIN:	
I=Absent 2=Present	
JUVENILE PLANT GROWTH:  3 1=Prostrate 2=Semi-erect 3=Erect	
5. PLANT COLOR (boot stage):	
1 = Yellow-Green 2 = Green 3 = Blue-Green	
FIAG LEAF (boot stage):	
2 1 = Erect 2 = Recurved 2  EAR EMERGENCE:	= Not Twisted 2 = Twisted
Number of Days Earlier Than Amidon	*
O 2 Number of Days Later Than West Bred 926	*
. ANTHER COLOR:	· · · · · · · · · · · · · · · · · · ·
I = YELLOW 2 = PURPLE	
PLANT HEIGHT (from soil to top of head, excluding awns):	
cm Taller Than West Bred 936	*
15 cm Shorter Than Amidon	*

10. STEM:	Total trans
A. ANTHOCYANIN  1 = Absent 2=Present	Exhibit C (Wheat) P.
B. WAXY BLOOM  2 1=Absent 2=Present	9900231
C. HAIRINESS (last internode of rachis)  2	
D. INTERNODE (SPECIFY NUMBER)  1=Hollow 2=Semi-solid 3=Solid	
E. PEDUNCLE  2 1=Absent 2=Present	
43 cm Length	
11. HEAD (at Maturity):	
A. DENSITY  1=Lax 2=Middense 3= Dense	
B. SHAPE  2 1 = Tapering 2= Strap 3 = Clavate 4 =	Other (SPECIFY)
C. CURVATURE  1 = Erect 2 = Inclined 3 = Recurved	
D. AWNEDNESS  1 = Awnless 2 = Apically Awnletted 3 = Awn	inttod
12. GLUMES (at Maturity):	letted 4 = Awned
A. COLOR	
B. SHOULDER  2 = Tan 3 = Other (SPECIFY)  B. SHOULDER	
1 = Wanting	= Square 5 = Elevated 6 = Apiculate
3 1 = Obtuse 2 = Acute 3 = Acuminate	
D. LENGTH  3 1 = Short (ca. 7mm) 2 = Medium (ca. 8mm) 3 =	Long (ca. 9mm)
E. WIDTH  1 = Narrow (ca 3mm) 2 - M "	
13. SEED:	Wide (ca. 4mm)
A. SHAPE  3 1 = Ovate 2 = Oval 3 = Elliptical	
B. CHEEK  2 I=Rounded 2=Angular	
D. CREASE	I = Not Collared 2 = Collared
1 = Width 60% or less of Kernel 2 = Width 80% or less of Kernel 3 = Width Nearly as Wide as Kernel	1 = Depth 20% or less of Kernel 2 = Depth 35% or less of Kernel 3 = Depth 50% or less of Kernel

13. SEED: (continued)	Exhibit C (Wheat)
E. COLOR	
$\begin{array}{ c c c c c }\hline 3 & I = White & 2 = Amber & 3 = Red \\ \end{array}$	(0x 20 cm x)
F. TEXTURE	9900231
1=Hard 2=Soft	
G. PHENOL REACTION (see instructions):	
	Brown 4 = Dark Brown 5 = Black 0 = NoT Tested
4. DISEASE: (0=Not Tested; 1=Susceptible; 2=F	Resistant; 3=Intermediate; 4=Tolerant)
PLEASE INDICATE THE	SPECIFIC RACE OR STRAIN TESTED
Stem Rust (Puccinia graminis f. sp. tritici)	Leaf Rust (Puccinia recondita f. sp. tritici)
2 Prevalent	4 Prevalent
Stripe Rust (Puccinia striiformis)	Loose Smut (Ustilago tritici)
4 Prevalent	Costate (Ostatego trate)
Tan Spot (Pyrenophora tritici-repentis)	
0	Flag Smut (Urocystis agropyri)
Halo Spot (Selenophoma donacis)	
	Common Bunt (Tilletia tritici or T. laevis)
Sentoria mederana (Cham Di a 1)	0
Septoria nodorum (Glume Blotch)	Dwarf Bunt (Tilletia controversa)
	0
Septoria avenae (Speckled Leaf Disease)	Karnal Bunt (Tilletia indica)
	0
Septoria tritici (Speckled Leaf Blotch)	Powdery Mildew (Erysiphe graminis f. sp. tritici)
0	2 Prevalent
Scab (Fusarium spp.)	"Snow Molds"
0	0
"Black Point" (Kernel Smudge)	Common Root Rot (Fusarium, Cochliobolus and Bipolaris spp.)
0	0
Barley Yellow Dwarf Virus (BYDV)	Rhizoctonia Root Rot (Rhizoctonia solani)
0	0
Soilborne Mosaic Virus (SBMV)	Black Chaff (Xanthomonas campestris pv. translucens)
0	0
Wheat Yellow (Spindle Streak) Mosaic Virus	Bacterial Leaf Blight (Pseudomonas syringae pv. syringae)
0	O
Wheat Streak Mosaic Virus (WSMV)	
0	Other (SPECIFY)
Other (SPECIFY)	
	Other (SPECIFY)
Other (SPECIFY)	
(of ECH 1)	
Other (SPECIFY)	Other (SPECIFY)

15. INSECT:	(0=Not Tested;	Zeke I=Susceptible;	2-D		÷	9900231.	الله الله د
		~ ousceptiote,	2=Resistant;	3=Intermediate;	4=Tolerant)	Exhibit C (Who	ear) Pa
	ch	PLEASE	SPECIFY BIOT	TYPE (where needed	)		
Hessian	Fly (Mayetiola destru Prevalent	ctor)	Ot	her (SPECIFY)			
Stem Sa	wfly (Cephus spp.) Prevalent		Oti I	her (SPECIFY)			
Cereal L	eaf Beetle (Oulema m	elanopa)	— l Oth T	ter (SPECIFY)			<u>.</u>
Russian .	Aphid <i>(Diuraphis nox</i>	ia)	Oth	er (SPECIFY)	·		
Greenbug	g (Schizaphis graminus	m)	Oth,	 er (SPECIFY)			
Aphids			Othe	or (SPECIFY)			· · · · · · · · · · · · · · · · · · ·
6. ADDITIONAL	INFORMATION OF	NANY ITEM AB	OVE. OR GEN	EPAL COLORD			*.

Table 4. Quality data for "Zeke" hard red spring wheat in Montana State University Intrastate Spring Wheat Yield Trials in 1996 and 1997.

locations	
က	
of of	
average	
ğ	
æ	
ave	I
9	
ŏ	
•	J

	Ī									
	riour		Ê	Mixograph		<b>a</b>	Baking Data			
Variety	Protein	Yield	Abs			Abs	Loaf Vol	Bake		
. •	%	প্ল	%I	min.	미	%	읭	min.	<u>                                      </u>	
Zeke	12.7	67.5	71.5	7.9	5.7	909	10/10	0 70		
Amidon	12.9	68.9	7.62	. 4 ! 4	(C)	) () ()	1019			
Fortuna	12.8	9.69	71.3	oc For	י ה ה	27.0	, 101 073	0.0		
Hi-Line	13.1	62.9	72.8	) C	i ru	0 70	1070	0.00		
- Bw	13.0	68 A	73.3	) (	5 5	1 50	7 1	) 1		
	7 .	r S	0.0	7.0		- 080	10/3	20.5		
McNeal	12.9	64.2	72.4	8.6	5.3	93.6	1095	31.2		
Newana	12.0	63.7	70.0	3.8	2.5	9.98	1080	9.3		
		e <sup>*</sup>								
								. •		
1997 average of 5 locations										
	Flour	ır	M	Mixograph		ш	Baking Data			
	Protein	Yield	Abs			Abs	Loaf Vol	Bake		
Variety	%	<b>%</b>	%	min.	<u>lol</u>	%	8	min.	00	
Zeke	12.4	65.4	67.3	6.2	ເນ	75.9	1116	10.1	8	
Amidon	12.5	67.8	66.4	3.4	4	71.9	1097	3.6	2	
Fortuna	13.0	68.2	67.1	3.2	က	72.9	1117	3.4	က	
Hi-Line	13.0	61.9	67.1	5.5	9	75.3	1215	9.0	2	
Lew	12.7	62.9	65.8	4.8	2	73.0	1170	5.6	က	
McNeal	12.5	63.9	66.3	5.8	5	75.5	.1142	7.4	က	
Newana	11.7	63.2	64.7	3.4	က	20.9	1151	3.6	2	

REPRODUCE LOCALLY. Include form number and date on all reproductions.	FORM APPROVED - OMB N	O. 0581-0055 EXPIRES: 12-31-96
U.S. DEPARTMENT OF AGRICULTURE  AGRICULTURAL MARKETING SERVICE  SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTECTION OFFICE  EXHIBIT E  STATEMENT OF THE BASIS OF OWNERSHIP	1974 (5 U.S.C. 552a) and the Pap Application is required in order to	le in accordance with the Privacy Act of erwork Reduction Act (PRA) of 1995 . o determine if a plant variety protection 2. 2421]. Information is held confidentia
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
Western Plant Breeders, Inc.	BZ 987-331	Zeke
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)	5. TELEPHONE (include area code)	6. FAX (include area code)
8111 Timberline Drive	(406≵⊕587-1218	(406) -586-8247
Bozeman, MT 59718-8184	7. PVPO NUMBER	990023/
8. Does the applicant own all rights to the variety? Mark an "X" in appropriate b	olock. If no, please explain.	X YES NO
9. Is the applicant (individual or company) a U.S. national or U.S. based company If no, give name of country	77	X YES NO
10. Is the applicant the original breeder? If no, please answer the following:		X YES NO
<ul> <li>a. If original rights to variety were owned by individual(s):</li> <li>ls (are) the original breeder(s) a U.S. national(s)? If no, give name of c</li> </ul>	ountry	
b. If original rights to variety were owned by a company:		YES NO
Is the original breeder(s) U.S. based company? If no, give name of cou	untry	
11. Additional explantion on ownership [If needed, use reverse for extra space]:		
PLEASE NOTE:	,	
Plant variety protection can be afforded only to owners (not licensees) who meet o		
<ol> <li>If the rights to the variety are owned by the original breeder, that person must of a country which affords similar protection to nationals of the U.S. for the sar</li> </ol>	be a U.S. national, national of a me genus and species.	UPOV member country, or national
<ol><li>If the rights to the variety are owned by the company which employed the originationals of a UPOV member country, or owned by nationals of a country which genus and species.</li></ol>	inal breeder(s), the company mus a affords similar protection to nat	t be U.S. based, owned by ionals of the U.S. for the same
3. If the applicant is an owner who is not the original breeder, both the original bre	eeder and the applicant must mee	et one of the above criteria.
The original breeder may be the individual or company who directed final breed definition.	ling. See Section 41(a)(2) of the	ne Plant Variety Protection Act for
	•	<u>,</u>

Public reporting burden for this collection of information is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, AG Box 7630, Jamie L. Whitten Building, Washington, D.C. 20250. When replying, refer to OMB No. 0581-0055 and form number in your letter.

Under the PRA of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, and marital or familial status. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotape, etc.) should contact the USDA Office of Communications at (202) 720-2791.

To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call (202) 720-7327 (voice) or (202) 720-1127 (TDDL USDA is an equal employment opportunity employer.